

1 **SECTION 9-12, MASONRY UNITS**

2 **August 4, 2003**

3 **9-12.4 Precast Concrete Manholes**

4 The reference to "ASTM C 116 Type III" in the second sentence of the third paragraph is
5 revised to read "ASTM C 1116 Type III".

6
7 The fifth sentence in the third paragraph is revised to read:

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9 A minimum of two hoops of W2 wire shall be placed in the 48-inch end of each cone.

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11 **9-12.5 Precast Concrete Catch Basins**

12 The following new paragraph is inserted between the first and second paragraphs:

13

14 As an alternate, Type 1 Catch Basins may be fabricated using synthetic fiber
15 reinforcement meeting the requirements of ASTM C 1116, Type III. Synthetic fibers
16 shall be added at the rate of 1.0 pounds per cubic foot and shall be thoroughly mixed
17 with the concrete before placement. A minimum amount of steel reinforcement shall be
18 used to reinforce the area around the knockouts. Steel reinforcing shall consist of a No.
19 3 horizontal hoop reinforcing bar located above the knockouts, and a No. 3 vertical
20 reinforcing bar in each corner, extending a minimum of 18 inches below the top surface
21 of the catch basin.